

## INTERNATIONAL SEARCH REPORT

Internat

pplication No

CT/IB 03/01424

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H02J1/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02M H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 617 015 A (GODER DIMITRY ET AL) 1 April 1997 (1997-04-01)	1,2
Y	abstract	3-6
X	US 6 307 757 B1 (LEDENEV ANATOLI V ET AL) 23 October 2001 (2001-10-23) figures 1-1,1-2 column 9, line 31 -column 10, line 54	1,2
Y	US 2002/001213 A1 (VELDMAN PAUL ET AL) 3 January 2002 (2002-01-03) abstract	3,4
Y	EP 0 300 091 A (PULIZZI ENG INC) 25 January 1989 (1989-01-25) abstract	5,6
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

3 November 2003

Date of mailing of the international search report

13/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Hurtado-Albir, J

## INTERNATIONAL SEARCH REPORT

Internat

Application No

PCT/IB 03/01424

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"MC33186 AUTOMOTIVE H-BRIDGE DRIVER" MOTOROLA DATA SHEET, 13 December 2000 (2000-12-13), pages 1-12, XP002260012 page 1 page 6 -----	1,3-5

## INTERNATIONAL SEARCH REPORT

Internat.

Application No

PCT/IB 03/01424

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5617015	A	01-04-1997	NONE	
US 6307757	B1	23-10-2001	AU 5903700 A CN 1375123 T EP 1198876 A1 US 2002060914 A1 WO 0103279 A1 US 2003007372 A1 AU 3915200 A CN 1371544 T EP 1171946 A1 GB 2349401 A ,B WO 0057543 A1 US 6626248 B1 US 6545450 B1	22-01-2001 16-10-2002 24-04-2002 23-05-2002 11-01-2001 09-01-2003 09-10-2000 25-09-2002 16-01-2002 01-11-2000 28-09-2000 30-09-2003 08-04-2003
US 2002001213	A1	03-01-2002	WO 0072434 A1 EP 1101274 A1 JP 2003527809 T	30-11-2000 23-05-2001 16-09-2003
EP 0300091	A	25-01-1989	US 4769555 A AT 76209 T DE 3779122 D1 EP 0300091 A2 JP 1043027 A	06-09-1988 15-05-1992 17-06-1992 25-01-1989 15-02-1989